

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: ANDY KASHNIKOW Examiner #: 60484 Date: 3/18/02
Art Unit: 3700 Phone Number 308-1137 Serial Number: 09992,612
Mail Box and Bldg/Room Location: CP2-2401 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: _____

Inventors (please provide full names): _____

Earliest Priority Filing Date: _____

**For Sequence Searches Only* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.*

LIT SEARCH FOR U.S. PATENT No 5,882,350

MAR 18 2002

STAFF USE ONLY

	Type of Search	Vendors and cost where applicable
Searcher: <u>Solomon</u>	NA Sequence (#) <u>1</u>	STN _____
Searcher Phone #: <u>305-5932</u>	AA Sequence (#) <u>1</u>	Dialog _____
Searcher Location: <u>CP2, 2C08</u>	Structure (#) _____	Questel/Orbit _____
Date Searcher Picked Up: _____	Bibliographic _____	Dr. Link _____
Date Completed: <u>3-18-02</u>	Litigation <u>✓</u>	Lexis/Nexis _____
Searcher Prep & Review Time: _____	Fulltext _____	Sequence Systems _____
Clerical Prep Time: _____	Patent Family _____	WWW/Internet _____
Online Time: _____	Other _____	Other (specify) _____

1 of 1 DOCUMENT

5,882,350

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Mar. 16, 1999

Polyaxial pedicle screw having a threaded and tapered
compression locking mechanism

(C) QUESTEL 1994
QUESTEL.ORBIT (TM) 1998

18/03/02 16*07*57

Selected file: PLUSPAT

1 / 1 PLUSPAT - @QUESTEL-ORBIT - image
PN - US5882350 A 19990316 [US5882350]
TI - (A) Polyaxial pedicle screw having a threaded and tapered
compression locking mechanism
PA - (A) FASTENETIX LLC (US)
IN - (A) RALPH JAMES D (US); TATAR STEPHEN (US)
AP - US253598 19980102 [1998US-0002535]
PR - US253598 19980102 [1998US-0002535]
US66338396 19960613 [1996US-0663383]
US42108795 19950413 [1995US-0421087]
IC - (A) A61B-017/70
EC - A61B-017/70B4
A61F-002/30B9
PCL - ORIGINAL (O) : 606061000; CROSS-REFERENCE (X) : 606073000
DT - Basic
CT - US5207678; US5443467; US5520690; US5607426; US5669911
STG - (A) United States patent
AB - A polyaxial orthopedic device for use with rod implant apparatus
includes a screw having a curvate head, a two-piece interlocking
coupling element which mounts about the curvate head, and a rod
receiving cylindrical body member having a tapered socket into
which both the screw and the interlocking coupling element are
securely nested. The interlocking coupling element includes a
socket portion which is slotted and tapered so that when it is
radially compressed by being driven downwardly into the tapered
socket in the cylindrical body it crush locks to the screw. The
securing of the rod in the body member provides the necessary
downward force onto the socket portion through a contact force on
the top of the cap portion. Prior to the rod being inserted,
therefore, the screw head remains polyaxially free with respect to
the coupling element and the body. In a preferred embodiment,
the cap portion and the socket portion are formed and coupled in
such a way that when the cap portion is compressed toward the
socket portion, there is an additional inward radial force applied
by the cap portion to the socket portion, thereby enhancing the
total locking force onto the head of the screw.

1 / 1 LGST - @LEGSTAT
PN - US 5882350 [US5882350]
AP - US 2535/98 19980102 [1998US-0002535]
DT - US-P
ACT - 19980102 US/AE-A
APPLICATION DATA (PATENT)
US 2535/98 19980102 [1998US-0002535]

19980102 US/AS02
ASSIGNMENT OF ASSIGNOR'S INTEREST
FASTENETIX, LLC STE L-28 47 MAPLE AVE. SUMMIT, NEW JERSEY 07901 *
RALPH, JAMES D. : 19971229; TATAR, STEPHEN : 19971229

19990316 US/A
PATENT
UP - 2000-06

Selected file: INPADOC

1 / 19 INPADOC - ©INPADOC

PN - AU 714659 B2 20000106 [AU-714659]
TI - A POLYAXIAL LOCKING SCREW COLLAR AND PLATE ASSEMBLY
IN - ERRICO JOSEPH P; ERRICO THOMAS J; RALPH JAMES D; TATAR STEVE
PA - FASTENETIX L L C
AP - AU 55397/96-A 19960409 [1996AU-0055397]
PR - US 421087/95-A 19950413 [1995US-0421087]
WO 9604920/96(US)-W 19960409 [1996WO-US04920]
IC - A61B-017/70

1 / 1 LEGALI - ©LEGSTAT

PN - AU 714659 [AU-714659]
DT - AU-P
ACTE - 20000106 AU/NAA
APPLICATIONS ACCEPTED
UP - 2000-37

2 / 19 INPADOC - ©INPADOC

PN - AU 55397/96 A1 19961030 [AU9655397]
TI - A POLYAXIAL LOCKING SCREW COLLAR AND PLATE ASSEMBLY
IN - ERRICO JOSEPH P; ERRICO THOMAS J; RALPH JAMES D; TATAR STEVE
PA - FASTENETIX L L C [US]
AP - AU 55397/96-A 19960409 [1996AU-0055397]
PR - US 421087/95-A 19950413 [1995US-0421087]
WO 9604920/96(US)-W 19960409 [1996WO-US04920]
IC - A61B-017/70

3 / 19 INPADOC - ©INPADOC

PN - CA 2216955 AA 19961017 [CA2216955]
TI - A POLYAXIAL LOCKING SCREW COLLAR AND PLATE ASSEMBLY
LA - ENG
IN - ERRICO JOSEPH P [US]; ERRICO THOMAS J [US]; TATAR STEVE [US]; RALPH
JAMES D [US]
PA - FASTENETIX L L C [US]
AP - CA 2216955/96-A 19960409 [1996CA-2216955]
PR - US 421087/95-A 19950413 [1995US-0421087]
IC - A61B-017/70

1 / 1 LEGALI - ©LEGSTAT

PN - CA 2216955 [CA2216955]
DT - CA-P
ACTE - 19970930 CA/REFW-P
CORRESPONDS TO PCT APPLICATION
<WO 9632071> [WO9632071]
UP - 1998-31

4 / 19 INPADOC - ©INPADOC

PN - EP 828459 A1 19980318 [EP-828459]
TI - A POLYAXIAL LOCKING SCREW COLLAR AND PLATE ASSEMBLY
LA - ENG
IN - ERRICO JOSEPH P [US]; ERRICO THOMAS J [US]; RALPH JAMES D [US];
TATAR STEVE [US]

PA - FASTENETIX L L C [US]
AP - EP 96912660/96-A 19960409 [1996EP-0912660]
PR - WO 9604920/96(US)-W 19960409 [1996WO-US04920]
US 421087/95-A 19950413 [1995US-0421087]
IC - A61B-017/70
DS - AT* BE* CH* DE* DK* ES* FI* FR* GB* GR* IE* IT* LI* LU* MC* NL* PT*
SE*

1 / 1 LEGALI - @LEGSTAT

PN - EP 828459 [EP-828459]
AP - EP 96912660/96 19960409 [1996EP-0912660]
DT - EP-P
ACTE - 19960409 EP/AE-A
EP-APPLICATION
EP 96912660/96 19960409 [1996EP-0912660]

19980318 EP/AK-A1 [+]
DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH
REPORT:
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

19980318 EP/A1 [+]
PUBLICATION OF APPLICATION WITH SEARCH REPORT

19980318 EP/17P [+]
REQUEST FOR EXAMINATION FILED
971112

19981125 EP/AK-A4 [+]
DESIGNATED CONTRACTING STATES MENTIONED IN A SUPPLEMENTARY SEARCH
REPORT:
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

19981125 EP/A4 [+]
SUPPLEMENTARY SEARCH REPORT
981008

20000510 EP/17Q [+]
FIRST EXAMINATION REPORT
20000328

UP - 2000-19

5 / 19 INPADOC - @INPADOC

PN - EP 828459 A4 19981125 [EP-828459]
TI - A POLYAXIAL LOCKING SCREW COLLAR AND PLATE ASSEMBLY
LA - ENG
IN - ERRICO JOSEPH P [US]; ERRICO THOMAS J [US]; RALPH JAMES D [US];
TATAR STEVE [US]
PA - FASTENETIX L L C [US]
AP - EP 96912660/96-A 19960409 [1996EP-0912660]
PR - WO 9604920/96(US)-W 19960409 [1996WO-US04920]
US 421087/95-A 19950413 [1995US-0421087]
IC - A61B-017/70
DS - AT* BE* CH* DE* DK* ES* FI* FR* GB* GR* IE* IT* LI* LU* MC* NL* PT*
SE*

1 / 1 LEGALI - @LEGSTAT

PN - EP 828459 [EP-828459]
AP - EP 96912660/96 19960409 [1996EP-0912660]
DT - EP-P

ACTE - 19960409 EP/AE-A
 EP-APPLICATION
 EP 96912660/96 19960409 [1996EP-0912660]

 19980318 EP/AK-A1 [+]
 DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH
 REPORT:
 AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

 19980318 EP/A1 [+]
 PUBLICATION OF APPLICATION WITH SEARCH REPORT

 19980318 EP/17P [+]
 REQUEST FOR EXAMINATION FILED
 971112

 19981125 EP/AK-A4 [+]
 DESIGNATED CONTRACTING STATES MENTIONED IN A SUPPLEMENTARY SEARCH
 REPORT:
 AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

 19981125 EP/A4 [+]
 SUPPLEMENTARY SEARCH REPORT
 981008

 20000510 EP/17Q [+]
 FIRST EXAMINATION REPORT
 20000328
UP - 2000-19

6 / 19 **INPADOC** - ©**INPADOC**
PN - JP 11503351 T2 19990326 [JP11503351]
AP - JP 531134/96-A 19960409 [1996JP-0531134]
PR - WO 9604920/96(US)-W 19960409 [1996WO-US04920]
 US 421087/95-A 19950413 [1995US-0421087]
IC - A61B-017/58

7 / 19 **INPADOC** - ©**INPADOC**
PN - US 5520690 A 19960528 [US5520690]
TI - ANTERIOR SPINAL POLYAXIAL LOCKING SCREW PLATE ASSEMBLY
IN - ERRICO JOSEPH P [US]; ERRICO THOMAS J [US]; RALPH JAMES [US]
PA - ERRICO JOSEPH P [US]; ERRICO THOMAS J [US]; RALPH JAMES [US]
AP - US 421087/95-A 19950413 [1995US-0421087]
PR - US 421087/95-A 19950413 [1995US-0421087]
IC - A61B-017/70

1 / 1 **LEGALI** - ©**LEGSTAT**
PN - US 5520690 [US5520690]
AP - US 421087/95 19950413 [1995US-0421087]
DT - US-P
ACTE - 19950413 US/AE-A
 APPLICATION DATA (PATENT)
 US 421087/95 19950413 [1995US-0421087]

19960318 US/AS02
 ASSIGNMENT OF ASSIGNOR'S INTEREST
 FASTENETIX, L.L.C. 47 MAPLE AVE., SUITE 102 SUMMIT, NEW JERSEY
 07901 * ERRICO, JOSEPH P. : 19960310; ERRICO, THOMAS J. :
 19960310; RALPH, JAMES D. : 19960310

19960528 US/A
PATENT
UP - 1999-22

8 / 19 INPADOC - ©INPADOC
PN - US 5531746 A 19960702 [US5531746]
TI - POSTERIOR SPINAL POLYAXIAL LOCKING LATERAL MASS SCREW PLATE
ASSEMBLY
IN - ERRICO JOSEPH P [US]; ERRICO THOMAS J [US]; RALPH JAMES [US]
PA - FASTENETIX L L C [US]
AP - US 446222/95-A 19950522 [1995US-0446222]
PR - US 446222/95-A 19950522 [1995US-0446222]
US 421087/95-A2 19950413 [1995US-0421087]
IC - A61B-017/70

1 / 1 LEGALI - ©LEGSTAT
PN - US 5531746 [US5531746]
AP - US 446222/95 19950522 [1995US-0446222]
DT - US-P
ACTE - 19950522 US/AE-A
APPLICATION DATA (PATENT)
US 446222/95 19950522 [1995US-0446222]

19960318 US/AS02
ASSIGNMENT OF ASSIGNOR'S INTEREST
FASTENETIX, L.L.C. 47 MAPLE AVE., SUITE 102 SUMMIT, NEW JERSEY
07901 * ERRICO, JOSEPH P. : 19960310; ERRICO, THOMAS J. :
19960310; RALPH, JAMES D. : 19960310

19960702 US/A
PATENT
UP - 1999-22

9 / 19 INPADOC - ©INPADOC
PN - US 5607426 A 19970304 [US5607426]
TI - THREADED POLYAXIAL LOCKING SCREW PLATE ASSEMBLY
IN - RALPH JAMES D [US]; TATAR STEVE [US]
PA - FASTENETIX L L C [US]
AP - US 606221/96-A 19960223 [1996US-0606221]
PR - US 606221/96-A 19960223 [1996US-0606221]
US 421087/95-A2 19950413 [1995US-0421087]
IC - A61B-017/70

1 / 1 LEGALI - ©LEGSTAT
PN - US 5607426 [US5607426]
AP - US 606221/96 19960223 [1996US-0606221]
DT - US-P
ACTE - 19960223 US/AE-A
APPLICATION DATA (PATENT)
US 606221/96 19960223 [1996US-0606221]

19960401 US/AS02
ASSIGNMENT OF ASSIGNOR'S INTEREST
FASTENETIX, L.L.C. 47 MAPLE AVE., SUITE 102 SUMMIT, NEW JERSEY
07901 * RALPH, JAMES D. : 19960311; TATAR, STEVEN : 19960311

19970304 US/A
PATENT
UP - 1999-22

10 / 19 INPADOC - ©INPADOC
PN - US 5643265 A 19970701 [US5643265]
TI - DYNAMIC COMPRESSION POLYAXIAL LOCKING SCREW PLATE ASSEMBLY
IN - ERRICO JOSEPH P [US]; ERRICO THOMAS J [US]; RALPH JAMES [US]
PA - FASTENETIX L L C [US]
AP - US 451930/95-A 19950526 [1995US-0451930]
PR - US 451930/95-A 19950526 [1995US-0451930]
US 421087/95-A2 19950413 [1995US-0421087]
IC - A61B-017/80

1 / 1 LEGALI - ©LEGSTAT
PN - US 5643265 [US5643265]
AP - US 451930/95 19950526 [1995US-0451930]
DT - US-P
ACTE - 19950526 US/AE-A
APPLICATION DATA (PATENT)
US 451930/95 19950526 [1995US-0451930]

19960318 US/AS02
ASSIGNMENT OF ASSIGNOR'S INTEREST
FASTENETIX, L.L.C. 47 MAPLE AVE., SUITE 102 SUMMIT, NEW JERSEY
07901 * ERRICO, JOSEPH P. : 19960310; ERRICO, THOMAS J. :
19960310; RALPH, JAMES D. : 19960310

19970701 US/A
PATENT
UP - 1999-22

11 / 19 INPADOC - ©INPADOC
PN - US 5647873 A 19970715 [US5647873]
TI - BICENTRIC POLYAXIAL LOCKING SCREW AND COUPLING ELEMENT
IN - ERRICO JOSEPH P [US]; ERRICO THOMAS J [US]; RALPH JAMES D [US]
PA - FASTENETIX L L C [US]
AP - US 559197/95-A 19951113 [1995US-0559197]
PR - US 559197/95-A 19951113 [1995US-0559197]
US 421087/95-A2 19950413 [1995US-0421087]
IC - A61B-017/70

1 / 1 LEGALI - ©LEGSTAT
PN - US 5647873 [US5647873]
AP - US 559197/95 19951113 [1995US-0559197]
DT - US-P
ACTE - 19951113 US/AE-A
APPLICATION DATA (PATENT)
US 559197/95 19951113 [1995US-0559197]

19970715 US/A
PATENT
UP - 1999-12

12 / 19 INPADOC - ©INPADOC
PN - US 5669911 A 19970923 [US5669911]
TI - POLYAXIAL PEDICLE SCREW
IN - ERRICO JOSEPH P [US]; ERRICO THOMAS J [US]; RALPH JAMES D [US]
PA - FASTENETIX L L C [US]
AP - US 663383/96-A 19960613 [1996US-0663383]
PR - US 663383/96-A 19960613 [1996US-0663383]

US 559196/95-A2 19951113 [1995US-0559196]
US 421087/95-A2 19950413 [1995US-0421087]
IC - A61B-017/70

1 / 1 LEGALI - @LEGSTAT
PN - US 5669911 [US5669911]
AP - US 663383/96 19960613 [1996US-0663383]
DT - US-P
ACTE - 19960613 US/AE-A
APPLICATION DATA (PATENT)
US 663383/96 19960613 [1996US-0663383]

19960613 US/AS02
ASSIGNMENT OF ASSIGNOR'S INTEREST
FASTENETIX, L.L.C. 47 MAPLE AVENUE, SUITE 102 SUMMIT, NEW JERSEY
07901 * ERRICO, JOSEPH P. : 19960613; ERRICO, THOMAS J. :
19960613; RALPH, JAMES D. : 19960613

19970923 US/A
PATENT
UP - 1999-22

13 / 19 INPADOC - @INPADOC
PN - US 5690630 A 19971125 [US5690630]
TI - POLYAXIAL PEDICLE SCREW
IN - ERRICO JOSEPH P [US]; ERRICO THOMAS J [US]; RALPH JAMES D [US]
PA - FASTENETIX LLC [US]
AP - US 772403/96-A 19961223 [1996US-0772403]
PR - US 772403/96-A 19961223 [1996US-0772403]
US 559196/95-B2 19951113 [1995US-0559196]
US 421087/95-A2 19950413 [1995US-0421087]
IC - A61B-017/70

1 / 1 LEGALI - @LEGSTAT
PN - US 5690630 [US5690630]
AP - US 772403/96 19961223 [1996US-0772403]
DT - US-P
ACTE - 19961223 US/AE-A
APPLICATION DATA (PATENT)
US 772403/96 19961223 [1996US-0772403]

19961223 US/AS02
ASSIGNMENT OF ASSIGNOR'S INTEREST
FASTENETIX, L.L.C. 47 MAPLE AVENUE., SUITE 102 SUMMIT, NEW JERSEY
07901 * ERRICO, JOSEPH P. : 19961218; ERRICO, THOMAS J. :
19961218; RALPH, JAMES D. : 19961218

19971125 US/A
PATENT
UP - 1999-23

14 / 19 INPADOC - @INPADOC
PN - US 5725588 A 19980310 [US5725588]
TI - ACETABULAR CUP HAVING POLYAXIAL LOCKING SCREWS
IN - ERRICO JOSEPH P [US]; ERRICO THOMAS J [US]; RALPH JAMES D [US]
PA - FASTENETIX LLC [US]
AP - US 632560/96-A 19960415 [1996US-0632560]
PR - US 632560/96-A 19960415 [1996US-0632560]
US 421087/95-A2 19950413 [1995US-0421087]

IC - A61F-002/28

1 / 1 LEGALI - @LEGSTAT

PN - US 5725588 [US5725588]
AP - US 632560/96 19960415 [1996US-0632560]
DT - US-P
ACTE - 19960415 US/AE-A
APPLICATION DATA (PATENT)
US 632560/96 19960415 [1996US-0632560]

19960415 US/AS02
ASSIGNMENT OF ASSIGNOR'S INTEREST
FASTENETIX, L.L.C. SUTIE 102 47 MAPLE AVENUE SUMMIT, NEW JERSEY
07901 * ERRICO, JOSEPH P. : 19960415; ERRICO, THOMAS J. :
19960415; RALPH, JAMES D. : 19960415

19980310 US/A
PATENT

UP - 2000-04

15 / 19 INPADOC - @INPADOC

PN - US 5817094 A 19981006 [US5817094]
TI - POLYAXIAL LOCKING SCREW AND COUPLING ELEMENT
IN - ERRICO JOSEPH P [US]; ERRICO THOMAS J [US]; RALPH JAMES D [US]
PA - FASTENETIX LLC [US]
AP - US 788804/97-A 19970123 [1997US-0788804]
PR - US 788804/97-A 19970123 [1997US-0788804]
US 559196/95-B1 19951113 [1995US-0559196]
US 421087/95-A2 19950413 [1995US-0421087]
IC - A61B-017/70

1 / 1 LEGALI - @LEGSTAT

PN - US 5817094 [US5817094]
AP - US 788804/97 19970123 [1997US-0788804]
DT - US-P
ACTE - 19970123 US/AE-A
APPLICATION DATA (PATENT)
US 788804/97 19970123 [1997US-0788804]

19971104 US/AS02
ASSIGNMENT OF ASSIGNOR'S INTEREST
FASTENETIX, LLC STE L-28 47 MAPLE AVE. SUMMIT, NEW JERSEY 07901 *
ERRICO, JOSEPH P. : 19971019; ERRICO, THOMAS J. : 19971019;
RALPH, JAMES D. : 19971019

19981006 US/A
PATENT

UP - 2000-06

16 / 19 INPADOC - @INPADOC

PN - US 5876402 A 19990302 [US5876402]
TI - ANTERIOR SPINAL POLYAXIAL LOCKING SCREW PLATE ASSEMBLY HAVING
RECESSED RETAINING RINGS
IN - ERRICO JOSEPH P [US]; ERRICO THOMAS J [US]; RALPH JAMES D [US]
PA - ERRICO JOSEPH P [US]; ERRICO THOMAS J [US]; RALPH JAMES D [US]
AP - US 624110/96-A 19960329 [1996US-0624110]
PR - US 624110/96-A 19960329 [1996US-0624110]
US 421087/95-A2 19950413 [1995US-0421087]
IC - A61B-017/70

1 / 1 LEGALI - @LEGSTAT
 PN - US 5876402 [US5876402]
 AP - US 624110/96 19960329 [1996US-0624110]
 DT - US-P
 ACTE - 19960329 US/AE-A
 APPLICATION DATA (PATENT)
 US 624110/96 19960329 [1996US-0624110]

 19960329 US/AS02
 ASSIGNMENT OF ASSIGNOR'S INTEREST
 FASTENETIX, L.L.C. SUITE 102 47 MAPLE AVENUE SUMMIT, NEW JERSEY
 07901 * ERRICO, JOSEPH P. : 19960329; ERRICO, THOMAS J. :
 19960329; RALPH, JAMES D. : 19960329

 19990302 US/A
 PATENT
 UP - 2000-04

17 / 19 INPADOC - @INPADOC
 PN - US 5882350 A 19990316 [US5882350]
 TI - POLYAXIAL PEDICLE SCREW HAVING A THREADED AND TAPERED COMPRESSION
 LOCKING MECHANISM
 IN - RALPH JAMES D [US]; TATAR STEPHEN [US]
 PA - FASTENETIX LLC [US]
 AP - US 2535/98-A 19980102 [1998US-0002535]
 PR - US 2535/98-A 19980102 [1998US-0002535]
 US 663383/96-A2 19960613 [1996US-0663383]
 US 421087/95-A2 19950413 [1995US-0421087]
 IC - A61B-017/70

1 / 1 LEGALI - @LEGSTAT
 PN - US 5882350 [US5882350]
 AP - US 2535/98 19980102 [1998US-0002535]
 DT - US-P
 ACTE - 19980102 US/AE-A
 APPLICATION DATA (PATENT)
 US 2535/98 19980102 [1998US-0002535]

 19980102 US/AS02
 ASSIGNMENT OF ASSIGNOR'S INTEREST
 FASTENETIX, LLC STE L-28 47 MAPLE AVE. SUMMIT, NEW JERSEY 07901 *
 RALPH, JAMES D. : 19971229; TATAR, STEPHEN : 19971229

 19990316 US/A
 PATENT
 UP - 2000-06

18 / 19 INPADOC - @INPADOC
 PN - US 5888204 A 19990330 [US5888204]
 TI - ACETABULAR CUP HAVING CAPPED POLYAXIAL LOCKING SCREWS
 IN - RALPH JAMES D [US]; TATAR STEVEN [US]
 PA - FASTENETIX LLC [US]
 AP - US 843972/97-A 19970417 [1997US-0843972]
 PR - US 843972/97-A 19970417 [1997US-0843972]
 US 632560/96-A2 19960415 [1996US-0632560]
 IC - A61B-017/56

1 / 1 LEGALI - @LEGSTAT
 PN - US 5888204 [US5888204]
 AP - US 843972/97 19970417 [1997US-0843972]
 DT - US-P
 ACTE - 19970417 US/AE-A
 APPLICATION DATA (PATENT)
 US 843972/97 19970417 [1997US-0843972]

 19970417 US/AS02
 ASSIGNMENT OF ASSIGNOR'S INTEREST
 FASTENETIX, LLC 47 MAPLE AVE., STE. L-28 SUMMIT, NEW JERSEY 07901
 * RALPH, JAMES D. : 19970414; TATAR, STEVEN : 19970414

 19990330 US/A
 PATENT
 UP - 2000-06

19 / 19 INPADOC - @INPADOC
 PN - WO 9632071 A1 19961017 [WO9632071]
 TI - A POLYAXIAL LOCKING SCREW COLLAR AND PLATE ASSEMBLY
 LA - ENG
 IN - ERRICO JOSEPH P; ERRICO THOMAS J; RALPH JAMES D; TATAR STEVE
 PA - FASTENETIX L L C [US]
 AP - WO US 9604920/96(US)-A 19960409 [1996WO-US04920]
 PR - US 421087/95-A 19950413 [1995US-0421087]
 IC - A61B-017/70
 DS - AM* AT* AU* BB* BG* BR* BY* CA* CH* CN* CZ* DE* DK* EE* ES* FI* GB*
 GE* HU* IS* JP* KE* KG* KP* KR* KZ* LK* LR* LT* LU* LV* MD* MG*
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 PN - JP 531134/96
 AP - JP 531134/96 - [1996JP-0531134]
 DT - JP-A
 ACTE - 19971013 JP/REFW-P
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 UP - 1998-51

2 / 3 LEGALI - @LEGSTAT
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 DT - CA-P
 ACTE - 19970930 CA/REFW-P
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 AP - WO 9604920/96(US) 19960409 [1996WO-US04920]
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